AUTODOC CLUB

How to change engine thermostat on **AUDI A6 Allroad (4FH, C6)** – replacement guide

SIMILAR VIDEO TUTORIAL



This video shows the replacement procedure of a similar car part on another vehicle

Important!

This replacement procedure can be used for:
AUDI A6 Allroad (4FH, C6) 4.2 FSI quattro

The steps may slightly vary depending on the car design.

This tutorial was created based on the replacement procedure for a similar car part on: VW GOLF II (19E, 1G1) 1.6

REPLACEMENT: ENGINE THERMOSTAT – AUDI A6 ALLROAD (4FH, C6). TOOLS YOU MIGHT NEED:



- Torque wrench
- Drive socket # 7
- Drive socket # 10
- Drive socket # 13
- Ratchet wrench
- Fluid container
- Funnel
- Fender cover

Buy tools

Replacement: engine thermostat – AUDI A6 Allroad (4FH, C6). Tip from AUTODOC:

- Check the condition of the coolant every time you replace the thermostat. Change the coolant if necessary.
- Please note: all work on the car – AUDI A6 Allroad (4FH, C6) – should be done with the engine switched off.

CARRY OUT REPLACEMENT IN THE FOLLOWING ORDER:

1 Open the hood.

2 Use a fender protection cover to prevent damaging paintwork and plastic parts of the car.

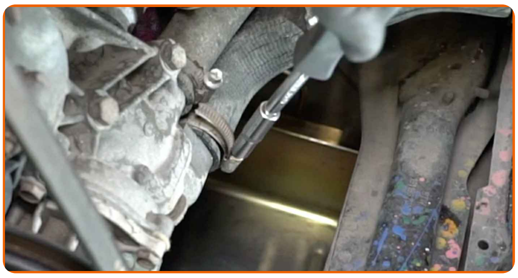
3 Unscrew the coolant reservoir cap.



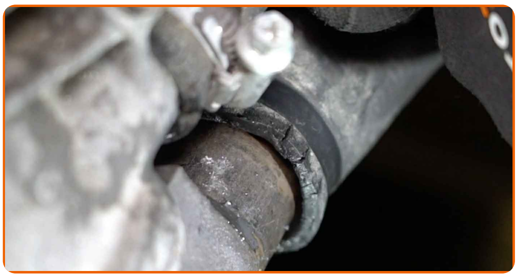
4 Prepare a container for fluids.



5 Loosen the coolant hose clamp. Use a drive socket #7. Use a ratchet wrench.



6 Detach the coolant hose.



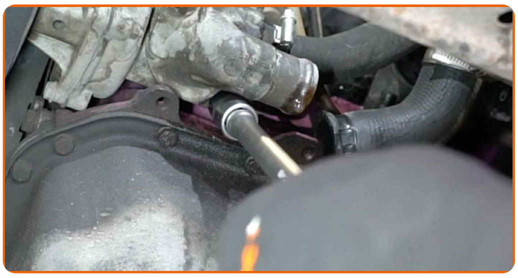
7 Drain the coolant from the engine.



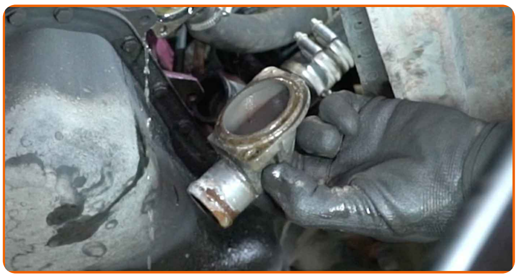
Replacement: engine thermostat – AUDI A6 Allroad (4FH, C6). Tip:

- Caution! The coolant can be very hot.
- Wear gloves to prevent contact with hot liquid.
- All work should be done with the engine stopped.
- Wait until the coolant has completely flowed out of the drain hole.

8 Unscrew the thermostat housing fasteners. Use a drive socket #13. Use a ratchet wrench.



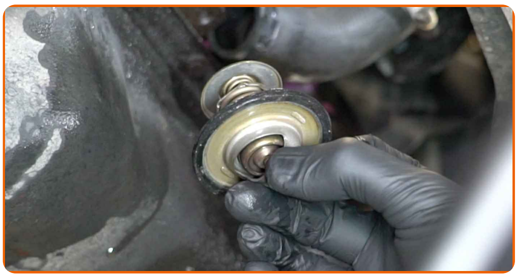
9 Remove the thermostat housing.



AUTODOC recommends:

- Replacement: engine thermostat – AUDI A6 Allroad (4FH, C6). Do not use excessive force when removing the part as this may damage it.

10 Remove the thermostat.



AUTODOC recommends:

- Replacement: engine thermostat – AUDI A6 Allroad (4FH, C6). Do not use excessive force when removing the part as this may damage it.
- Caution! Coolant may leak out of the coolant lines and thermostat housing.

11 Install a new thermostat.



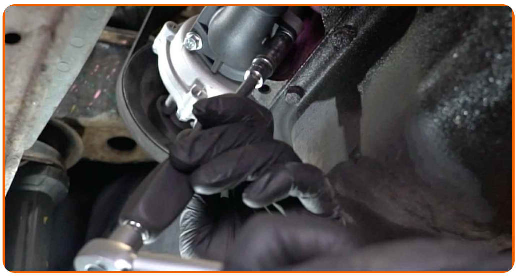
Replacement: engine thermostat – AUDI A6 Allroad (4FH, C6). Tip:

- When installing, do not use excessive force to avoid damage to the part.

12 Install the thermostat housing.



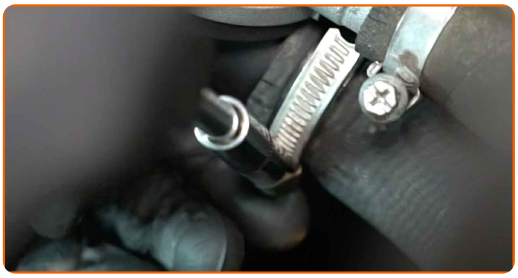
13 Tighten the thermostat housing fasteners. Use a drive socket #10. Use a torque wrench. Tighten it to 13 nm torque.



14 Attach the coolant hose.



15 Secure the coolant hose clamp. Use a drive socket #7. Use a ratchet wrench.



16 Remove the coolant reservoir cap.

17 Insert the funnel.



18 Pour coolant in the coolant reservoir.



Replacement: engine thermostat – AUDI A6 Allroad (4FH, C6). Tip from AUTODOC:

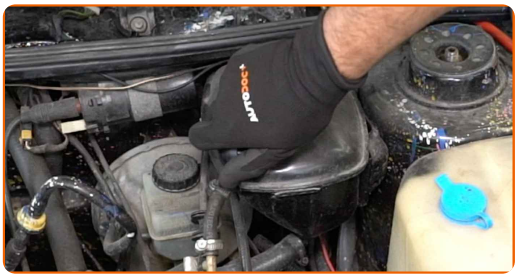
- Only use the coolant recommended by the manufacturer.
- The coolant level should be at the MAX mark.
- Wait until the air goes out of the system.

19 Run the engine for a few minutes. This should be done in order to remove residual air from the cooling system and to check if the components are operating correctly.

20 Shut off the engine.

21 Install the coolant reservoir cap.

22 Screw on the coolant reservoir cap.



23 Remove the fender protection cover.

24 Close the hood.

WELL DONE!

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